





Construction Management LLC  
 "Accountability that is Measurable and Attainable"

<b>Bill To:</b>	
TO:	Attn: Mr. J. Chris Trevino General Operations Manager Precinct 4 1051 N. Doolittle Rd Edinburg, Tx 78542
Copy To:	Rumaldo Munoz, Jr. Accounts Payable Specialist II 1051 N. Doolittle Rd. Edinburg, Tx 78542

INVOICE	
Invoice Number:	4
Invoice Date:	12/12/2012
Billing Period:	Dec-12
Project Number:	PCM-10-011
Customer Name:	Hidalgo County Precinct 4
Contract No.	C-11-235-10-25
Prodigy CM Contact	Alex Palacios

<b>Please Make and Send Payment to:</b>	
Prodigy Construction Management	
Attn: Accounts Receivable	
P.O. Box 6592	
McAllen, Tx 78502-6592	
Payment Terms - 30 Days	

PURPOSE OF INVOICE	
This invoice is pursuant to the Construction Management Services Agreement by and between Prodigy Construction Management, LLC, and Hidalgo County Precinct 4.	
This invoice is for the original scope of work pursuant to the agreement noted above.	
Application #	4

DESCRIPTION OF AMOUNTS	
<u>Construction Management Services</u>	
ORIGINAL CONTRACT PRICE	\$ 52,500.00
APPLICABLE ADDITIONAL SERVICES	-
REVISED CONTRACT PRICE	\$ 52,500.00
PROJECT COMPLETED AS OF DATE OF INVOICE	60.00%
TOTAL PROJECT AMOUNT COMPLETED AND PAYABLE	\$ 31,500.00
LESS: AMOUNT OF PREVIOUS APPLICATIONS	\$ 30,479.05
<b>PLEASE PAY THIS AMOUNT:</b>	<b>\$ 1,020.95</b>

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 HIDALGO COUNTY PCT. #4

-- THANK YOU FOR CHOOSING PRODIGY TO PROVIDE YOU WITH SUPERIOR CONSTRUCTION MANAGEMENT SOLUTIONS --

Invoice Received By: [Signature] on 12-11-12  
 Goods/Services Received By: [Signature] on 12-11-12

2-1342-431-00-124-079-0 → 20  
 Pct. # 1167  
 Pur. Req. # 200617  
 P.O. # 666986

Hidalgo County Precinct 4 Administration and Maintenance Buildings  
 Job # PCM-10-011  
 Owner PO# 666986

Application No. 4  
 Application Date 12/10/2012

A	B	C	D	E	F		G
Item	Description of Work	Scheduled Value	Work Completed		Total Completed and To Date		Balance to Finish (C-F)
			From Previous Applications	This Period	(D + E)	(%)	
1	<b>Maintenance Building 9216 s.f.</b>				\$ -		\$ -
2	Schematic Design	10% \$ 2,333.30	\$ 2,333.30	\$ -	\$ 2,333.30	100%	\$ -
3	Design Development	15% \$ 3,499.95	\$ 3,499.95	\$ -	\$ 3,499.95	100%	\$ -
4	Construction Documents	30% \$ 6,999.90	\$ 6,999.90	\$ -	\$ 6,999.90	100%	\$ -
5	Bidding	5% \$ 1,166.65	\$ 1,166.65	\$ -	\$ 1,166.65	100%	\$ -
6	Construction Administration	38% \$ 8,866.54			\$ -	0%	\$ 8,866.54
7	Parking Lot Construction Administration	2% \$ 466.66			\$ -	0%	\$ 466.66
8	Additional Services Maintenance Building						
9							
10	<b>Administration Building 8200 s.f.</b>				\$ -		\$ -
11	Schematic Design	10% \$ 2,625.00	\$ 2,625.00	\$ -	\$ 2,625.00	100%	\$ -
12	Design Development	15% \$ 3,937.50	\$ 3,937.50	\$ -	\$ 3,937.50	100%	\$ -
13	Construction Documents	30% \$ 7,875.00	\$ 7,875.00	\$ -	\$ 7,875.00	100%	\$ -
14	Bidding	5% \$ 1,312.50	\$ 1,312.50	\$ -	\$ 1,312.50	100%	\$ -
15	Construction Administration	38% \$ 9,975.00			\$ -	0%	\$ 9,975.00
16	Parking Lot Construction Administration	2% \$ 525.00			\$ -	0%	\$ 525.00
17	Additional Services Administration Building						
18							
19	<b>Storage Facility 3750 s.f.</b>						
20	Schematic Design	10% \$ 291.70	\$ 291.70	\$ -	\$ 291.70	100%	\$ -
21	Design Development	15% \$ 437.55	\$ 437.55	\$ -	\$ 437.55	100%	\$ -
22	Construction Documents	30% \$ 875.10		\$ 875.10	\$ 875.10	100%	\$ -
23	Bidding	5% \$ 145.85		\$ 145.85	\$ 145.85	100%	\$ -
24	Construction Administration	40% \$ 1,166.80			\$ -	0%	\$ 1,166.80
25	Additional Services Storage Facility				\$ -		
Original contract Amount		\$ 52,500.00	\$ 30,479.05	\$ 1,020.95	\$ 31,500.00	60.00%	\$ 21,000.00

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Att

EDINBURG, TEXAS 78542



**ERECTORS SYSTEMS**

6346 E. CHAPIN RD  
EDINBURG, TEXAS 78541  
956-867-4587 956-867-4580

**QUOTATION**

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DATE: 1/24/2012 JOB: \_\_\_\_\_  
TO: Prodigy Construction Management PROJECT: New Building  
ATTN: Roger Perez LOCATION: Edinburg, TX  
FAX: \_\_\_\_\_  
E-MAIL: \_\_\_\_\_

**R & V TO PROVIDE LABOR NON-UNION AND EQUIPMENT TO ERECT THE FOLLOWING:**

BUILDING SIZE: 50'x72'x18' bldg eave 40'x75'x16'-4" canopy eave  
SLOPE: \_\_\_\_\_ TYPE: \_\_\_\_\_

**ACCESSORIES:**

**EXCLUSION:**

BUILDING COST: ~~\$56,595.00~~  
(EXCEPT ANY OTHER ADDITIONS)

- \*O.H. DOORS
- \*INSULATION
- \*FOUNDATION ANKLE BOLTS

ERECTION LABOR INCLUDES:

\$ 40,891.36  
8.25% TAX 3,373.53

- \*STEEL FRAME ERECTION
- \*ROOF BY PBR PANELS
- \*WALLS BY R PANELS
- \*NO INSULATION
- \*8 O.H. DOOR FRAME OPENINGS
- \*TRIM WORK
- \*ALL IS PER PLAN SPECIFICATIONS

\$ 44,264.89

LABOR COST: (SAME) \$13,500.00

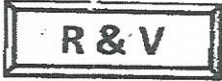
\$ 57,764.89

BASE PRICE TOTAL: ~~\$70,095.00~~

**ALTERNATES:**

- \* ANY OTHER ADDITION OR ADDENDUM IS NOT IN MENTION IS
- \*SUBJECT TO CHARGE.

Roger Perez



**ERECTORS SYSTEMS**

6346 E. CHAPIN RD  
EDINBURG, TEXAS 78541  
956-867-4587 956-867-4580

EDINBURG, TEXAS 78542

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# QUOTATION

DATE: 2/7/2012 JOB: \_\_\_\_\_  
 TO: Roger Perez PROJECT: Concrete Quote  
 ATTN: Prodigy Construction Co. New Bldg.  
 FAX: \_\_\_\_\_ LOCATION: Edinburg, TX  
 E-MAIL: \_\_\_\_\_

**R & V TO PROVIDE LABOR NON-UNION AND EQUIPMENT TO ERECT THE FOLLOWING:**

BUILDING SIZE: 50x72x18 BLDG EAVE 40X75X16-4 CANOPY EAVE  
 SLOPE: \_\_\_\_\_ TYPE: \_\_\_\_\_

**ACCESSORIES:**

**EXCLUSION:**

- \*CONCRETE 3000 PSI
- \*FINISH FLOOR ELEVATION 18" OVER RD. CURVE OR LESS
- \*EXTERIOR BEAMS 12"X30" W/ #5 REBAR
- \*INTERIOR BEAMS 12"X30" W/ #5 REBAR
- \*MAIN FRAME FOOTING PADS 36"X36" W/ #5 REBAR
- \*IN FOOTING PADS 24"X24" W/ #5 REBAR
- \*6" THICK SLAB REINFORCED W/ #4 REBAR 12" CENTER TO CENTER
- \*EVAPORATED PLASTIC 6MIL POLY

- \*FILL DIRT AT OWNERS EXPENSE
- \*TERMITE CONTROLL AT OWNERS EXPENSE

NOTE:  
 THIS QUOTE IS NOT BASED ON ANY PLANS  
 IT IS JUST A BASE PRICE AND ANY OTHER  
 ADDITIONS OR ALTERATIONS ON BEHALF  
 OF THE ENGINEER, OWNER, OR CONTRACTOR  
 WILL BE SUBJECT TO CHARGE

~~BLDG 50'X72'X18'~~ ~~\$24,300.00~~

~~BLDG 40'X75'X16'-4"~~ ~~\$20,250.00~~

50' X 75' \$25,312<sup>50</sup>

BASE PRICE TOTAL: \_\_\_\_\_

**ALTERNATES:**

- \* ANY OTHER ADDITION OR ADDENDUM IS NOT IN MENTION IS
- \*SUBJECT TO CHARGE.

*Prodigy*

2/7/2011

MEETING  
w/ P.T. & STAFF

CHB.

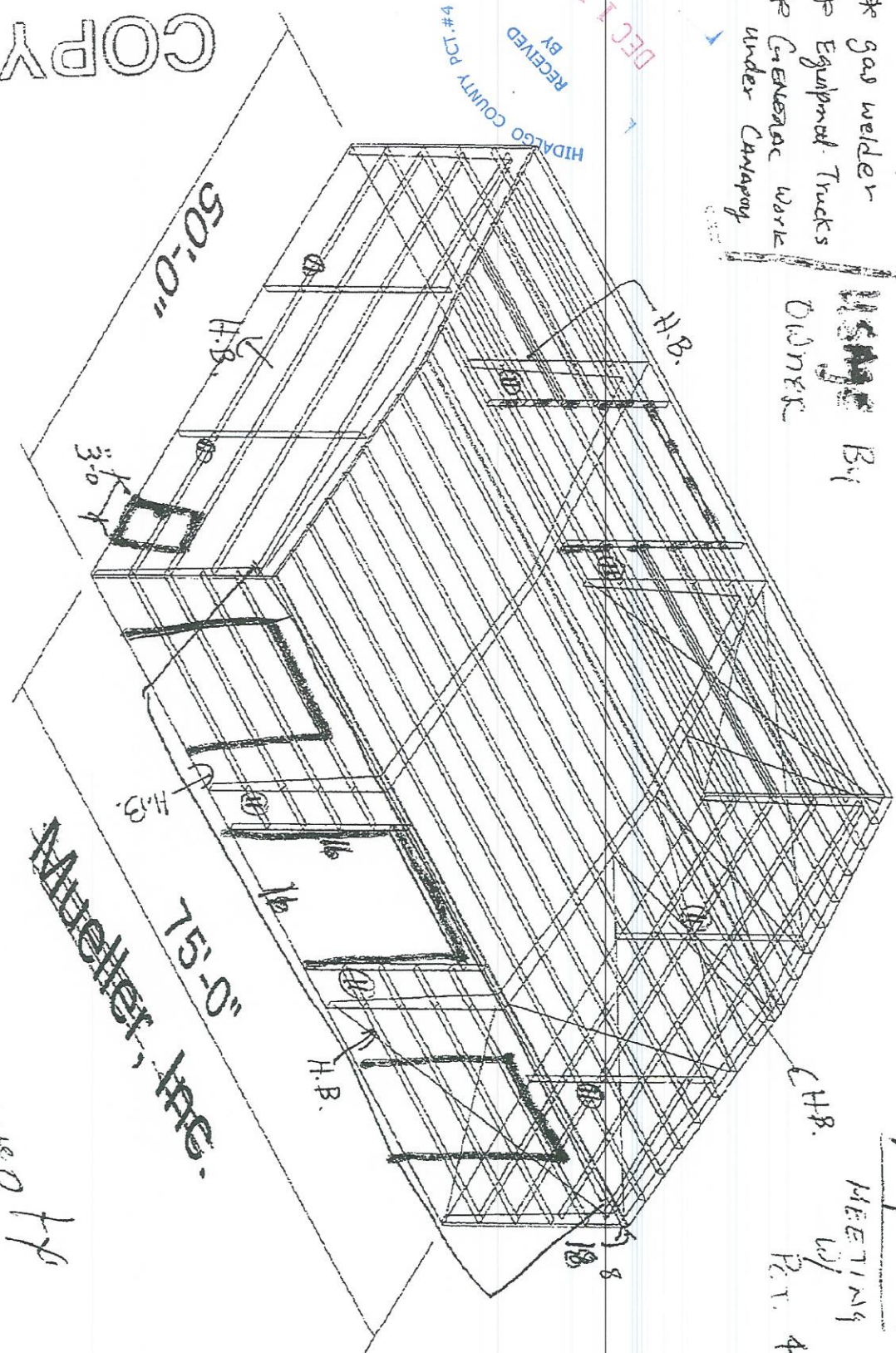
Usage By  
DINNER

- \* Sign Room
- \* Water Pump
- \* Gas welder
- \* Equipment Trucks
- \* Generator work
- \* under Canopy

EDINBURG, TEXAS 78542

DEC 1 2012

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COPY

①

Door Detail as shown

② = Power Outlets 120/19 with  
③ → = Hose Bibbs LOCATION

Edinburg, Inc.

**Quotation Summary**

Project ID: R&V - 3050198 - 50x75  
 Owner: N/A  
 Buyer P.O. Number: N/A  
 Buyer: R&V Steel Erector Systems, Inc.  
 Buyer Phone: 956-299-1720  
 Buyer Fax: 956-316-0815

*Prevent 4 Building*

NOTES:

1. All prices quoted are valid for fourteen (14) days from the date signed below.
2. The terms and conditions applicable to this are:
  - a. Uniform Terms and Conditions,
  - b. General Conditions of Contract,
  - c. If buyer is a Mid-West Steel Building Company Builder, Mid-West Steel Building Company Builder Agreement
 all of which, as applicable, are incorporated by reference herein.
3. Payment will be in accordance with terms (downpayment, COD or other terms) as established by Mid-West Steel Building Company Credit Department
4. This quotation is not a contract, but an offer to sell, which can be accepted only by the Buyer's timely execution of Mid-West Steel Building Company's Purchase Order or Quotation/Contract form.

Estimated Weight:	32,046.43 lbs
Weathertightness Warranty:	N/A
Estimated Freight:	Included
Estimated Tax (0.00%):	Not Included
Applicable tax will be added at the time of invoice	
Contract Total (16.02 Tons, ECF: 3):	\$ 40,891.36

Final Freight and Tax charges will be based on rates in effect at time of Shipment.

ALTERNATES:

EXCLUSIONS:

**Javier Rodriguez**

**District Sales Manager**

**2/29/12**

Mid-West Steel Building Company Representative

Title

Date

Precinct 4. Building

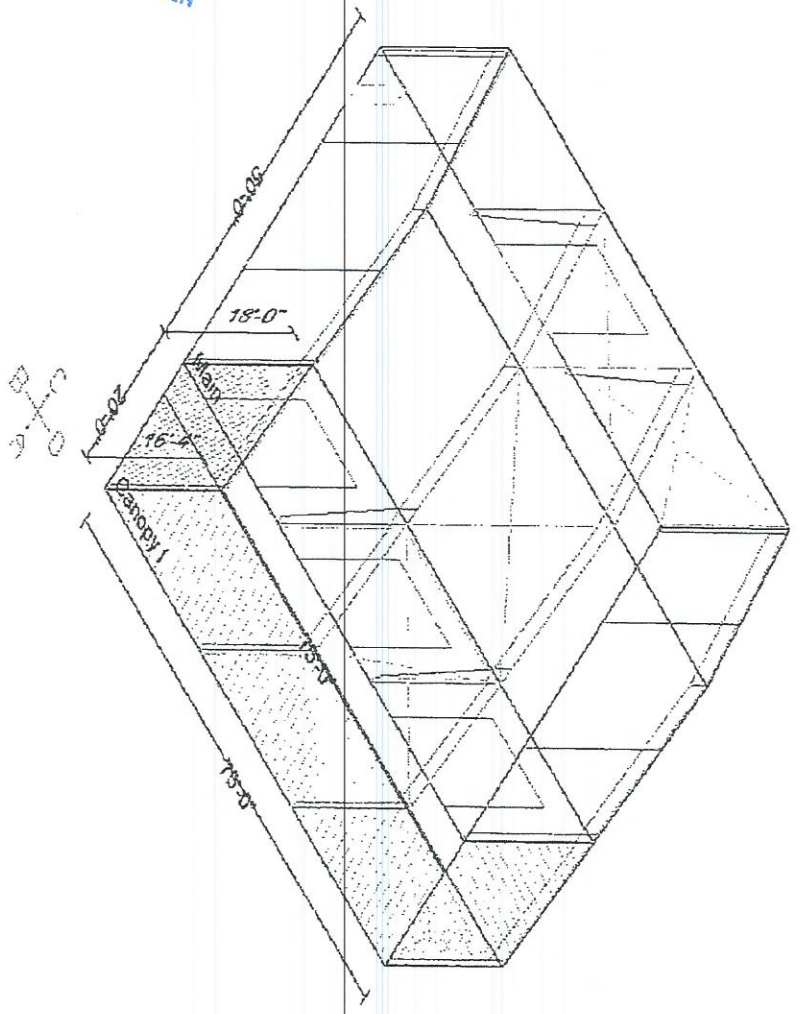
EDINBURG, TEXAS 78542

DEC 1 2012

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Not To Scale



# GENERAL NOTES

## GENERAL

1. THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. UNLESS OTHERWISE INDICATED, THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE, WORKMEN, AND OTHER PERSONS DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO BRACING, SHORING FOR COLLISION OR COLLISION OF FORMS, SCAFFOLDING, SAFETY NETS, SUPPORT AND BRACING FOR CRANES, GIN POLES, ETC. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK, AND HE SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES. OBSERVATION VISITS TO THE SITE BY THE ARCHITECT OR THE ENGINEER SHALL NOT INCLUDE INSPECTION OF THE ABOVE ITEMS.
2. IT IS SOLELY THE CONTRACTOR'S RESPONSIBILITY TO FOLLOW ALL APPLICABLE SAFETY CODES AND REGULATIONS DURING ALL PHASES OF CONSTRUCTION.
3. EQUIPMENT FRAMING LOADS, OPENINGS AND STRUCTURE IN ANY WAY RELATED TO HVAC, PLUMBING, OR ELECTRICAL REQUIREMENTS ARE SHOWN FOR REDDING PURPOSES ONLY. EXACT WEIGHTS AND LOCATIONS OF MECHANICAL EQUIPMENT SHALL BE COORDINATED BY CONTRACTOR. IF THE FINAL LOCATION VARIES FROM THAT SHOWN ON THE PLANS, CONTRACTOR TO NOTIFY ARCHITECT AND ENGINEER FOR APPROVAL BEFORE INSTALLATION.
4. SHOULD ANY OF THE DETAILED INSTRUCTIONS SHOWN ON THE PLANS CONFLICT WITH THESE STRUCTURAL NOTES, THE SPECIFICATIONS, OR WITH EACH OTHER, THE STRUCTURE PROVIDED SHALL GOVERN.
5. THE GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AT THE JOB SITE AND SHALL BE RESPONSIBLE FOR CONDITIONS OF ALL WORK AND MATERIALS.
6. THE CONTRACTOR SHALL REVIEW AND VERIFY ALL DIMENSIONS AND ELEVATIONS SHALL REPORT ANY DISCREPANCIES IN WRITING TO THE ARCHITECT. ANY CONFLICT BETWEEN THE DRAWING AND SPECIFICATIONS OF THE VARIOUS TRADES INVOLVED SHALL BE REPORTED TO THE ARCHITECT AND ENGINEER.
7. DETAILS SHOWN ON DRAWINGS APPLY AT SIMILAR CONDITIONS.
8. ALL WORK SHALL BE DONE IN ACCORDANCE WITH LOCAL STANDARDS AND TO ALL APPLICABLE PROVISIONS OF THE GOVERNING BUILDING CODE.
9. THE ARCHITECT AND ENGINEER SHALL BE NOTIFIED IN WRITING WHEN WORK COMMENCES.
10. CONTRACTOR SUBSTITUTIONS: ANY MATERIALS OR PRODUCTS THAT ARE SUBMITTED FOR APPROVAL THAT ARE DIFFERENT FROM THE MATERIALS OR PRODUCTS SPECIFIED IN THE CONTRACT DOCUMENTS WILL ONLY BE CONSIDERED IF THE FOLLOWING CRITERIA ARE SATISFIED:
  - A. A COST SAVING TO THE OWNER IS DOCUMENTED AND SUBMITTED WITH THE REQUEST.
  - B. THE MATERIAL OR PRODUCT HAS BEEN APPROVED BY THE INTERNATIONAL CONFERENCE OF BUILDING OFFICIALS (ICBO) AND THE ICBO REPORT IS SUBMITTED WITH THE REQUEST.

## GEOTECHNICAL INVESTIGATION

THE OWNER OF THIS PROJECT HAS DECLINED TO FURNISH A GEOTECHNICAL INVESTIGATION REPORT THEREFORE THE FOUNDATION DESIGN WAS BASED UPON AVERAGE SOIL CONDITIONS IN HIDALGO COUNTY, TEXAS. IF HIGH EXPANSIVE SOILS OR SOFT SOILS ARE ENCOUNTERED, DIFFERENTIAL FOUNDATION MOVEMENTS MAY BE EXPECTED ALTHOUGH WE ATTEMPT TO MAKE ASSUMPTIONS THAT WILL NOT IMPAIR STRUCTURAL INTEGRITY OF THE PROJECT. WE DO NOT HAVE THE EXPERTISE OR BENEFIT OF LABORATORY INVESTIGATIONS OF A GEOTECHNICAL ENGINEER, THEREFORE THIS DESIGN CANNOT ASSUME RESPONSIBILITY FOR THE PERFORMANCE OF THE DESIGN. FOUNDATION SHOULD ACTUAL SURFACE OR SUBSURFACE SOIL CONDITIONS VARY FROM THOSE ASSUMED. FOLLOWING ARE THE ASSUMPTIONS MADE:

## SHOP DRAWINGS & SUBMITTALS

1. SUBMITTAL THAT WILL BE REQUIRED FOR APPROVAL INCLUDE:
  - A. CONCRETE MIX DESIGN
  - B. CURING COMPOUND FOR CONCRETE
  - C. REINFORCING STEEL
  - D. STRUCTURAL STEEL
  - E. PRE-ENGINEERED BUILDING CALCULATIONS (INCLUDING REACTIONS)
2. ALLOW 21 WEEKS MINIMUM FOR REVIEW OF SHOP DRAWINGS.
3. PRIOR TO ISSUING THE SUBMITTALS TO THE ENGINEER, THE CONTRACTOR SHALL REVIEW THE SHOP DRAWINGS. CONTRACTOR MUST VERIFY ALL DIMENSIONS WITH ARCHITECTURAL PLANS.
4. REVIEW OF SHOP DRAWINGS BY THE ENGINEER IS FOR GENERAL CONFORMANCE TO THE STRUCTURAL DRAWINGS. APPROVAL OF THE SHOP DRAWINGS BY THE ENGINEER DOES NOT RELIEVE THE CONTRACTOR FOR ANY ERRORS IN DIMENSIONS OR MATERIAL INDICATED ON THE SHOP DRAWINGS.

## DESIGN CRITERIA

1. DESIGN LOADS, STRUCTURAL ANALYSIS AND PREPARATIONS OF STRUCTURAL MEMBERS ARE BASED ON THE FOLLOWING CRITERIA:

2. CODE	.....	IBC 2006
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3. VERTICAL LOADS:

A. DEAD LOAD	.....	SELF WEIGHT
B. LIVE LOAD ROOF (REDUCIBLE)	.....	20 PSF
C. UPLIFT LOAD	.....	0
D. MECHANICAL LOAD	.....	0
4. THE GENERAL CONTRACTOR SHALL SUBMIT ACTUAL WEIGHTS AND LOCATIONS OF EQUIPMENT TO BE USED IN THE PROJECT TO THE STRUCTURAL ENGINEER FOR VERIFICATION OF LOADS USED IN THE DESIGN AT LEAST TWO WEEKS PRIOR TO FABRICATION AND CONSTRUCTION OF THE SUPPORTING STRUCTURE.
4. LATERAL LOADS:

A. WIND SPEED (FM)	.....	105 MPH
B. EXPOSURE CATEGORY	.....	II
C. IMPORTANCE FACTOR	.....	1.00
D. BUILDING CATEGORY	.....	II
E. SEISMIC DESIGN CATEGORY	.....	A
F. RITE CLASS	.....	E
5. GEOTECHNICAL ENGINEERING REPORT:

PROJECT NUMBER	.....	101
DATE	.....	11/02/12
FOUNDATION DESIGN BASED ON THE FOLLOWING PARAMETERS	.....	
A. EFFECTIVE $\gamma$	.....	-
B. CLIMATE RATING (C <sub>w</sub> )	.....	-
C. MINIMUM BEAM DEPTH	.....	- IN
D. MINIMUM DRILLING	.....	- IN
E. ALLOWABLE BEARING CAPACITY (PSF)	.....	- PSF
F. ALLOWABLE C BEARING CAPACITY (PSF)	.....	- PSF
G. EXISTING PVE	.....	- IN
H. PVE (CUT & FILL 32 IN)	.....	- INCH

NOTE: GEOTECHNICAL ENGINEERING REPORT PENDING.

## FOUNDATION NOTES

1. CONSTRUCTION AREAS REMOVE AT LEAST 6 INCHES OF TOP SOIL, VEGETATION, DEBRIS, ETC. FROM THE PROJECTS SETTING AREA TO A DISTANCE OF 5' OUTSIDE THE BUILDING LINE FROM THE PROPOSED.
2. EXPOSED SUBGRADE SHOULD BE THOROUGHLY PROOF ROLLED IN ORDER TO LOCATE AND DENSITY ANY WEAK, COMPRESSIBLE ZONE. WEAK OR SOFT AREAS IDENTIFIED DURING PROOF ROLLING SHOULD BE REMOVED AND REPLACED WITH A SUITABLE COMPACTED SELECT FILL IN ACCORDANCE WITH THE REQUIREMENTS BELOW. PRIOR TO FILL PLACEMENT, THE EXPOSED SUBGRADE SHOULD BE MOISTURE CONDITIONED BY SCRIPING TO A MINIMUM DEPTH OF 4" AND RECOMPACTING TO A MINIMUM OF 98% OF THE MAXIMUM DRY DENSITY AS DETERMINED FROM THE ASTM D698 COMPACTION TEST. THE MOISTURE CONTENT SHOULD BE MAINTAINED WITHIN THE OPTIMUM TO 3% ABOVE.
3. FILL BACK TO REQUIRED GRADE (A MINIMUM OF 12" OF SELECT FILL IS REQUIRED. REFER TO CIVIL PLANS FOR FINISHED FLOOR ELEVATION) TO DETERMINE ADDITIONAL AMOUNT OF SELECT FILL REQUIRED WITH MATERIAL SELECTED AND COMPACTED IN ACCORDANCE WITH THE REQUIREMENTS BELOW.
  - A. SELECT FILL, WHEN PROPERLY SLAKED AND TESTED BY STANDARD LABORATORY METHODS, SHALL MEET THE FOLLOWING REQUIREMENTS:
    - i. LIQUID LIMIT SHALL BE LESS THAN 50% AND 40%.
    - ii. PLASTICITY INDEX SHALL BE LESS THAN 20 AND GREATER THAN 7.
    - iii. SCL CONTAIN NO ORGANIC MATERIAL.
    - iv. SCL CONTAIN NO STONES LARGER THAN 2 INCHES.
5. SAMPLES OF PROPOSED SELECT FILL SHALL BE FURNISHED TO THE TESTING LABORATORY 7 DAYS PRIOR TO INSTALLATION TO PERMIT TIME FOR SPECIFICATION COMPLIANCE INSPECTION AND APPROVAL.
6. SELECT FILL UNDER ALL FLOORS AND WALLS SHALL BE COMPACTED IN THE FIELD IN LIFTS NOT TO EXCEED 8" TO 98% OF THE MAXIMUM DENSITY, OR ABOVE OF THE OPTIMUM MOISTURE CONTENT, AS DETERMINED BY TEST METHOD ASTM D-698.
7. SITE PREPARATION TESTING SHALL BE AS FOLLOWS:
  - A. ATTERBERG LIMITS OF SELECT FILL MATERIAL:
    - i. ONE TEST PER 5,000 SF
    - ii. FOUR TEST PER LIFT
  - B. COMPACTION TEST:
    - i. TO BE PERFORMED PER LIFT ON TESTED PER 3,000 SF MINIMUM
    - ii. (4) FOUR TEST PER LIFT
8. GEOTECHNICAL REPORT SHALL BE CONSIDERED A PART OF THE CONSTRUCTION DOCUMENTS. CONTRACTOR TO REVIEW AND COMPLY WITH ALL EARTHWORK AND GRADING REQUIREMENTS IN GEOTECHNICAL REPORT.

## CONCRETE

1. ALL CONCRETE WORK SHALL BE EXECUTED IN ACCORDANCE WITH ACI 318 AND ACI 301 LATEST EDITION.
2. CEMENT SHALL CONFORM TO ASTM C150 TYPE I AGGREGATE SHALL CONFORM TO ASTM C33.
3. CONCRETE SHALL HAVE A MINIMUM 28 DAYS COMPRESSIVE STRENGTH AS FOLLOWS:

MEMBER TYPE	STRENGTH	SUMP	MAX. AGG.
FOUNDATION	3000 PSI	1.5 IN.	
AND SLAB	3500 PSI	5' 1.5 IN.	
PIERS	4000 PSI	5' 1.5 IN.	
TILT-UP WALLS	4000 PSI	5' 1.5 IN.	
COLUMNS	4000 PSI	5' 1.5 IN.	
C.I.P. BEAMS AND LIMBS	4000 PSI	5' 1.5 IN.	
4. INSTALL 10 MIL VAPOR BARRIER UNDER SLABS ON GRADE AND ALONG SIDE OF TRENCHES IN ACCORDANCE WITH ASTM E1663. LAP JOINTS MINIMUM OF 12 INCHES.
5. PLACE CONCRETE CONTINUOUSLY BETWEEN PRE-DETERMINED EXPANSION AND CONSTRUCTION JOINTS.
6. ALL CONSTRUCTION JOINT LOCATIONS TO BE APPROVED BY ARCHITECT AND STRUCTURAL ENGINEER.
7. HORIZONTAL CONSTRUCTION JOINTS SHALL NOT BE PERMITTED.
8. CURS CONCRETE IN ACCORDANCE WITH ACI 308.1
9. REFER TO ARCHITECTURAL AND MECHANICAL PLANS FOR LOCATIONS OF ALL DEPRESSIONS, OPENINGS, ACCESSORIES, ETC.
10. CONDUIT AND PLUMBING LINES SHALL BE PLACED BELOW SLAB REINFORCING AND SHALL BE NO BIGGER THAN 1 INCH.
11. FLASHING MAY BE USED TO REPLACE A PORTION OF THE PORTLAND CEMENT. THE RATIO OF FLASH TO THE TOTAL OF THE FLASH AND CEMENT IN A MIX SHALL NOT EXCEED 20%. FLASH SHALL CONFORM TO ASTM C616, TYPE C OR F.
12. ALL FLOORS SHALL BE CONSTRUCTED WITH A MINIMUM FLATNESS F-35 AND A MINIMUM LEVELNESS OF F-25
13. CONSTRUCTION JOINTS TO BE INSTALLED WITHIN 12 HOURS OF POURING FOUNDATION.
14. TESTING OF CONCRETE SHALL BE DONE AS FOLLOWS:
  - i. SETS SHALL CONSIST OF 3 CYLINDERS
  - ii. ONE TESTED AT 7 DAYS
  - iii. TWO TESTED AT 28 DAYS
  - iv. ONE SET SHALL BE TAKEN FOR EACH 150 CY AND FOR EVERY 5000 SF OF SURFACE AREA AND AT LEAST ONCE PER DAY OF POURING
  - v. A MINIMUM OF 3 SETS SHALL BE TAKEN FOR EACH CLASS OF CONCRETE
15. NO WATER SHALL BE ADDED TO THE CONCRETE AT THE JOBSITE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITH THE CONCRETE SUPPLIER TO OBTAIN A PUMPABLE AND WORKABLE MIX WITHOUT THE ADDITION OF WATER AT THE JOBSITE. THE USE OF PLASTICIZERS, RETARDANTS AND OTHER ADDITIVES SHALL BE AT THE OPTION OF THE CONTRACTOR SUBJECT TO THE APPROVAL OF THE STRUCTURAL ENGINEER. FOLLOW THE RECOMMENDATIONS OF THE MANUFACTURER FOR THE PROPER USE OF ADDITIVES. THE USE OF CALCIUM CHLORIDE OR OTHER CHLORIDE BEARING SALTS SHALL NOT BE PERMITTED.
16. PLACE CONCRETE IN A MANNER SO AS TO PREVENT SEGREGATION OF THE MIX. DELAY FLOATING AND TROWELING OPERATIONS UNTIL CONCRETE HAS LOSE SURFACE WATER SHEEN OR ALL FREE WATER HAS BEEN REMOVED. FINISHING OF SLAB SURFACES SHALL COMPLY WITH THE RECOMMENDATIONS OF ACI 302.1 AND 304.
17. UNLESS SPECIFIED, CONCRETE MUST MEET THE FOLLOWING PERCENTAGES OF ITS 28 DAY COMPRESSIVE STRENGTH (F<sub>c</sub>) BEFORE FORMS MAY BE REMOVED:

WALL, COLUMNS, & BEAM SIDES	.....	40%
JOIST PANS & BEAM BOTTOMS (IF REINFORCED)	.....	70%
SHORING FOR FLOOR SYSTEMS (IF NOT REINFORCED)	.....	85%
18. NO CONCRETE SHALL BE PLACED OUTSIDE OF THESE SPECIFICATIONS WITHOUT THE OWNER'S PRIOR APPROVAL. ANY ITEMS NOT IN COMPLIANCE WITH THE OUTLINED SPECIFICATION SHALL BE REPORTED TO THE OWNER AND STRUCTURAL ENGINEER WITHIN 24 HOURS.
19. CONSTRUCTION VEHICLE LOADS SHALL NOT BE PERMITTED ON ELEVATED SLABS AT ANY TIME.
20. ALL RETAINING WALLS TO BE SHORED UNTIL UPPER SLAB IS IN PLACE AND HAS REACHED 70% OF ITS DESIGN STRENGTH OR THE RETAINING WALL HAS REACHED 100% OF ITS DESIGN STRENGTH. PROVIDE GRANULAR BACKFILL AND REFORCATED DRAIN PIPE CONNECTED TO SITE DRAINAGE. RE: CIVIL PLAN.

## PRE-ENGINEERED METAL BUILDING AND COMPONENTS

1. REFER TO SCHEMATIC ROOF FRAMING PLAN AND DESIGN CRITERIA FOR DESIGN LOAD REQUIREMENTS AND SPECIFICATIONS FOR THE PRE-ENGINEERED METAL BUILDING.
2. PRE-ENGINEERED METAL BUILDING MANUFACTURER SHALL SUBMIT DESIGN CERTIFICATION SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF TEXAS FOR THE STRUCTURAL FRAMING AND COVERING PORTALS OF THE BUILDING SYSTEM. CERTIFICATION AND DESIGN SHALL MEET REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE (IBC) AND ASCE 7.
3. PRE-ENGINEERED METAL BUILDING MANUFACTURER CERTIFICATION SHALL BE SUBMITTED WITH SEALED SHOP DRAWINGS WHEN SUBMITTED FOR REVIEW.
4. SHOP DRAWINGS AND CALCULATIONS INCLUDING BUILDING REACTIONS, SHALL BE PREPARED AND REVIEWED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF TEXAS. SEALED SHOP DRAWINGS AND CALCULATIONS SHALL BE SUBMITTED FOR REVIEW BY THE DESIGN TEAM.
5. ALL COMPONENTS SHALL BE DESIGNED, FABRICATED AND ERRECTED IN ACCORDANCE WITH THE LATEST SPECIFICATIONS AND STANDARDS OF THE AISC. THIS WORK SHALL INCLUDE ALL MEMBERS AND BRACES NECESSARY TO BRACE MASONRY WALLS. LIGHT GAUGE STEEL MEMBERS SHALL COMPLY WITH THE LATEST ADDITION OF THE AISC.
6. PURKINS AND SAVE STRUTS SHALL HAVE A MINIMUM YIELD STRESS OF 55 KSI AND SHALL BE PAINTED WITH ONE COAT OF RED OXIDE OR APPROVED SHOP COAT.
7. PURKIN SPACING SHOWN IN STRUCTURAL DRAWINGS IS FOR SCHEMATIC PURPOSES. PURKIN BRACING TO BE DETERMINED BY METAL BUILDING MANUFACTURER. PURKINS SHALL HAVE A MAXIMUM TOTAL LOAD DEFLECTION OF 1/160.
8. SAG STRAPS SHALL BE LOCATED AS SHOWN ON PLANS AND SHALL BE FABRICATED WITH A MINIMUM YIELD STRENGTH OF 50 KSI.
9. STANDING BEAM METAL ROOF SHALL NOT BE CONSIDERED TO PROVIDE LATERAL BRACING FOR PURKINS. BRACING SHALL BE DESIGNED AND SUPPLIED BY THE METAL BUILDING MANUFACTURER TO RESIST BOTH GRAVITY AND UPLIFT LOADS.
10. CROSS BRACING SHALL BE DESIGNED AND SUPPLIED BY THE METAL BUILDING MANUFACTURER TO PROVIDE AN ADEQUATE HORIZONTAL ROOF DIAPHRAGM FOR THE STRUCTURE.
11. PROVIDE FINNED BASE CONNECTION FROM COLUMN TO FOUNDATION.
12. ALL ANCHOR BOLTS SIZES, LENGTH, AND EMBEDMENT SHALL BE DESIGNED BY THE METAL BUILDING MANUFACTURER AND SUPPLIED BY THE CONTRACTOR. ANCHORS BOLTS EMBEDMENT DEPTHS SHALL BE DESIGNED TO RESIST CONCRETE CONICAL SHEAR FAILURE.
13. THE FOUNDATION HAS BEEN DESIGNED USING ASSUMED REACTIONS FROM THE PRE-ENGINEERED METAL BUILDING COMPONENTS AND IS FOR INFO PURPOSES ONLY. THE CONTRACTOR SHALL VERIFY BASE REACTION DETAILS (SIZE AND THICKNESS OF BASE PLATE, DIAMETER AND DEPTH OF ANCHOR BOLTS) AND REACTIONS SO THE DESIGN ASSUMPTIONS CAN BE CONFIRMED.
14. ANY ADDITIONAL COST OF FOUNDATION WORK REQUIRED BY REVISIONS OF THE FOUNDATION DESIGN AFTER PRE-ENGINEERED METAL BUILDING REACTIONS ARE SUBMITTED SHALL NOT BE INCURRED BY STRUCTURAL ENGINEER.
15. DRIFT CUTTERS FOR ROOF FRAMES AND METAL BOLTS SHALL HAVE A MAXIMUM DEFLECTION OF H/240 FOR MASONRY FINISHES AND H/120 FOR METAL SIDING.

## STRUCTURAL STEEL

1. STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED, AND ERRECTED IN ACCORDANCE TO AISC SPECIFICATIONS.
2. MATERIALS USED SHALL BE AS FOLLOWS:

A. STRUCTURAL W-SHAPES	.....	ASTM A992 GRADE 50
B. STRUCTURAL M-SHAPES AND S-SHAPES	.....	ASTM A36
C. STRUCTURAL T-SHAPES	.....	CUT FROM W-SHAPES
D. CHANNELS AND ANGLES	.....	ASTM A36
E. ROUND HOLLOW STRUCTURAL SECTIONS	.....	ASTM A500 GRADE B
F. SQUARES AND RECTANGULAR HOLLOW STRUCTURAL SECTIONS	.....	ASTM A500 GRADE B
G. STRUCTURAL PLATES	.....	ASTM A36
H. STRUCTURAL BOLTS	.....	ASTM A36
I. HIGH STRENGTH BOLTS	.....	ASTM A325
J. ELECTRODES	.....	SBIRBS E70
3. ALL WELDING SHALL BE DONE BY CERTIFIED WELDERS IN ACCORDANCE WITH THE LATEST EDITION OF THE AMERICAN WELDING SOCIETY SPECIFICATIONS.
4. CONNECTIONS NOT DETAILED AND OR SCHEDULED ON STRUCTURAL DRAWINGS SHALL BE DETAILED BY FABRICATOR AND MARKED FOR ENGINEER APPROVAL. CONNECTIONS TO BE DESIGNED TO AISC SPECIFICATIONS AND SHALL BE CAPABLE OF SUPPORTING 50% OF THE MAXIMUM UNIFORM LOAD CAPACITY FOR THE SPAN SPECIFIED, SHOWN IN THE TABLES OF UNIFORM CONSTANTS OF THE AISC MANUAL OF STEEL CONSTRUCTION.
5. REFER TO ARCHITECTURAL PLANS FOR ANY MISCELLANEOUS STEEL, MISCELLANEOUS STEEL AND CONNECTIONS SHALL BE DESIGNED BY STEEL FABRICATOR.
6. HOT DIP GALVANIZING IN ACCORDANCE WITH ASTM A123 AND ASTM A153. STRUCTURAL STEEL AND FASTENERS PERMANENTLY EXPOSED TO THE WEATHER.
7. STEEL SUPPORTING OR CONNECTED TO HVAC AND OTHER EQUIPMENT AS SHOWN ON THE DRAWINGS IS SHOWN FOR REDDING PURPOSES ONLY. CONTRACTOR SHALL COORDINATE EXACT LOCATION AND SIZE BEFORE COMMENCING WORK.
8. STRUCTURAL STEEL SHALL BE PAINTED WITH ONE COAT OF RUST INHIBITIVE PAINT.
9. STRUCTURAL DRAWINGS SHALL NOT BE REPRODUCED IN WHOLE OR IN PART FOR SHOP DRAWING SUBMITTALS.
10. PROVIDE 2000 LBS OF RED IRON ALLOWANCE TO BE USED AS DIRECTED BY STRUCTURAL ENGINEER, INCLUDE COSTS IN THE ALLOWANCE.
11. ALL WELDED CONNECTION SHALL BE MADE WITH A 1/4" FILLET WELD U.N.O.
12. PROVIDE 1/2" GAP AT ALL PENETRATIONS THROUGH CMU WALL AND INFILL WITH ELASTOMERIC MATERIAL.
13. STEEL FABRICATOR SHALL BE CERTIFIED BY ONE OF THE FOLLOWING: AISC/ IBC/ AISI-ICC

## DRILLED CONCRETE PIERS

1. CONSTRUCTION PROCEDURES TO FOLLOW ACI 306.1 AND ACI 336.3R
2. PIERS NOT SPECIFICALLY DIMENSIONED ON THE PLAN SHALL BE CENTERED UNDERNATH COLLISION OR GRADE BEAM, AS OCCURS.
3. PIERS SHALL BE DRILLED FLOOR ENTIRE LENGTH. MAXIMUM ALLOWED DEVIATION FROM POSITION AT TOP OF SHAFT IS 1" PER 10' HEIGHT.
4. CLEAR SHAFT AND BOTTOM OF LOOSE MATERIAL. MAINTAIN SHAFTS FREE OF WATER PRIOR TO PLACING CONCRETE.
5. ELEVATION OF TOP OF PIERS IS AT THE BOTTOM OF THE DEEPEST INTERSECTING BEAM, COLUMN, OR WALL SUPPORTED AT THE PIER, UNLESS NOTED OTHERWISE.
6. REINFORCING STEEL CAGES SHALL BE HELD IN PLACE BY A MINIMUM OF 3 SETS OF SPACERS AT A MAXIMUM SPACING OF 4 FT. ALONG THE ENTIRE DEPTH OF THE PIER AND AT 8' FROM THE BOTTOM.
7. CONTRACTOR TO VERIFY DEPTH OF PIER BEFORE REINFORCING STEEL IS CUT. PIER STEEL SHALL BE DELIVERED TO SITE IN STANDARD LENGTHS AND CUT AS REQUIRED. PROVIDE 75 BAR DIAMETER LAPS WHEN NEEDED.
8. PIER REINFORCING AND CONCRETE SHALL BE PLACED IMMEDIATELY AFTER DRILLING OPERATIONS ARE COMPLETE.
9. UNDER NO CONDITIONS SHALL A PIER BE DRILLED THAT CANNOT BE POURED THE SAME DAY.
10. CONTRACTOR TO COORDINATE WITH GEOTECHNICAL ENGINEER FOR INSPECTION AND VERIFICATION OF PIERS IN ORDER TO ENSURE BEARING IN CORRECT SOIL STRATUM AS RECOMMENDED IN PROJECT GEOTECHNICAL REPORT.
11. TEMPORARY STEEL CASING MAY BE REQUIRED DURING DRILLING OPERATIONS, ANY SEPARATE WATER SHALL BE REMOVED FROM PIER HOLES PRIOR TO POURING CONCRETE.
12. STEEL CASING SHALL BE CONTINUOUSLY JOINED AND SHALL BE OF SUFFICIENT STRENGTH AND RIGIDITY TO WITHSTAND LANDING STRESS, DRILLING RESISTANCE, CONCRETE PRESSURES, AND SURROUNDING EARTH AND WATER PRESSURES AND TO PERMIT ADVANCEMENT OF THE PIER THROUGH CAVING GROUND.
13. SIZE AND LENGTH OF CASING SHALL BE SUBMITTED TO THE GEOTECHNICAL ENGINEER FOR ACCEPTANCE.
14. PLACE CONCRETE IN PIER IN ONE CONTINUOUS OPERATION WITHOUT CESSATION FROM BOTTOM OF PIER TO TOP.
15. TESTING OF CONCRETE SHALL BE AT THE RATE OF ONE SET OF FOUR (4) CYLINDERS PER PIER BUT NOT MORE THAN ONE SET PER TRUCKLOAD.
16. CONTRACTOR SHALL MAKE ACCURATE RECORDS OF THE DRILLED PIER LOCATIONS, DEPTHS, BEARING STRATUM, DEPTH OF PENETRATION INTO BEARING STRATUM AND DIAMETER AND SHALL SUBMIT THIS INFORMATION TO ENGINEER.
17. MINIMUM VERTICAL REINFORCING TO BE 1% OF CROSS-SECTIONAL AREA OF PIER, WITH MINIMUM OF SIX (6) BARS, AND #3 SPIRAL, UNLESS NOTED OTHERWISE.

## STEEL REINFORCING

1. ALL REINFORCEMENT SHALL BE NEU BILLET STEEL, CONFORMING TO ASTM A-615 GRADE 60.
2. REINFORCING STEEL SHALL BE DESIGNED, DETAILED, FABRICATED AND PLACED IN ACCORDANCE WITH THE LATEST ACI DETAILING MANUAL (SP-17) AND THE AISC MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE, ACI 318 LATEST EDITIONS.
3. BARS SCHEDULED OR DETAILED "CONT" SHALL BE SPICED AT POINTS OF MINIMUM STRESS AND WITH A MINIMUM LAP AS FOLLOWS:
  - A. HORIZONTAL BARS WITH MORE THAN 21" OF CONCRETE COVER:
    - i. 45 BARS AND SMALLER - 48 BAR DIAMETERS
    - ii. 47 BARS AND BIGGER - 57 BAR DIAMETERS
  - B. OTHER BARS:
    - i. 45 BARS AND SMALLER - 36 BAR DIAMETERS
    - ii. 47 BARS AND BIGGER - 44 BAR DIAMETERS
4. CORNER REINFORCING BARS SHALL BE USED AT ALL CORNERS AND INTERSECTIONS.
5. EXTEND THE SLAB REINFORCING STEEL PERPENDICULAR TO EXTERIOR GRADE BEAM TO THE TOP OUTSIDE REINFORCING BAR OF BEAM.
6. SPACE REINFORCING BARS WITH MINIMUM CLEAR SPACING IN ACCORDANCE WITH ACI 318 OF ONE BAR DIAMETER, BUT NOT LESS THAN 1 INCH. FOR COMPRESSION MEMBERS, SPACE AT A MINIMUM OF 1.5 INCHES OR 1.5 BAR DIAMETERS, WHICHEVER IS GREATER.
7. WHERE REINFORCING BARS ARE PLACED IN MULTIPLE LAYERS, PLACE UPPER BARS DIRECTLY ABOVE LOWER BARS.
8. MAINTAIN CONCRETE COVER AROUND REINFORCEMENT IN ACCORDANCE WITH ACI 318 AND AS FOLLOWS:
  - A. FOOTING AND CONCRETE CAST AGAINST EARTH - 3 INCHES
  - B. EXPOSED TO EARTH OR WEATHER:
    - i. 45 BARS AND SMALLER - 2 INCHES
    - ii. 45 BARS AND SMALLER - 1.5 INCHES
  - C. BEAMS AND COLUMNS - 1.5 INCHES
  - D. SLABS AND WALLS - 1 INCH
9. REPAIR ANY DAMAGE TO VAPOR BARRIER PER MANUFACTURER SPECIFICATIONS.
10. ADDITIONAL REINFORCING TO BE PROVIDED ON SITE FOR USE AS DIRECTED BY STRUCTURAL ENGINEER.

44 BARS	.....	200 LBS
45 BARS	.....	200 LBS

## CONTRACTOR NOTE

THE STRUCTURAL SYSTEM FOR THIS PROJECT SHALL NOT BE CONSTRUCTED BY USING THE STRUCTURAL DRAWINGS ALONE. THESE DRAWINGS WERE DEVELOPED FROM DATA DERIVED PRIMARILY FROM THE ARCHITECTURAL DRAWING AND SECONDARILY FROM MEP, CIVIL AND OTHER DISCIPLINE DRAWINGS. IT IS INTENDED THAT CONSTRUCTION PROCEED BY UTILIZING ALL OF THE INFORMATION CONTAINED IN THE ENTIRE SET OF CONSTRUCTION DOCUMENTS TAKEN AS A WHOLE. FAILURE TO DO SO WILL RESULT IN ERRORS WHICH SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.

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PROJECT: Precinct #4 Storage Building  
JOB NO. 12214  
DATE: 11/02/12  
DRAWN BY: E.U.G.  
CHECKED BY: MC  
REVISION:  
DRAWING NO: 81.0

Hidalgo County, Texas

DEC 11 2012

# GENERAL NOTES

EDINBURG, TEXAS 78542

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## STRUCTURAL TESTS AND SPECIAL INSPECTION

- THE OWNER SHALL EMPLOY A SPECIAL INSPECTOR TO PROVIDE INSPECTIONS DURING CONSTRUCTION ON THE TYPES OF WORK LISTED IN THIS SECTION.
- THE FOLLOWING TERMS AND PHRASES SHALL HAVE THE MEANINGS SHOWN BELOW AS IT PERTAINS TO THIS SECTION.
  - APPROVED AGENCY - AN ESTABLISHED AND RECOGNIZED AGENCY REGULARLY ENGAGED IN CONDUCTING AND FURNISHING SPECIAL INSPECTION SERVICES.
  - APPROVED FABRICATOR - AN ESTABLISHED AND QUALIFIED FIRM APPROVED BY BUILDING OFFICIAL. SPECIAL INSPECTIONS ARE NOT REQUIRED WHEN WORK IS PERFORMED ON THE PREMISES OF AN APPROVED FABRICATOR.
  - SPECIAL INSPECTION, CONTINUOUS - THE FULL TIME OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION.
  - SPECIAL INSPECTION, PERIODIC - THE PART TIME OR INTERMITTENT OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION.
- SPECIAL INSPECTORS SHALL KEEP RECORDS OF ALL INSPECTIONS AND SHALL FURNISH REPORTS TO THE BUILDING OFFICIAL AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE. DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF THE DISCREPANCIES ARE NOT CORRECTED THEY SHALL BE BROUGHT TO THE ATTENTION OF THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE.
- THE FOLLOWING ITEMS REQUIRE SPECIAL INSPECTION.

TABLE 1704.3

REQUIRED VERIFICATION AND INSPECTION OF STEEL CONSTRUCTION

VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARD*	IBC REFERENCE
1. MATERIAL VERIFICATION OF HIGH-STRENGTH BOLTS, NUTS AND WASHERS. <ol style="list-style-type: none"> <li>IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS.</li> <li>MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED.</li> </ol>	---	X	APPLICABLE ASTM MATERIAL SPECIFICATIONS, AISC 360, SECTION A3.3	---
2. INSPECTION OF HIGH-STRENGTH BOLTING: <ol style="list-style-type: none"> <li>BEARING-TYPE CONNECTIONS.</li> <li>SLIP-CRITICAL CONNECTIONS.</li> </ol>	---	X	AISC 360, SECTION M2.5	1704.3.3
3. MATERIAL VERIFICATION OF STRUCTURAL STEEL. <ol style="list-style-type: none"> <li>IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS.</li> <li>MANUFACTURER'S CERTIFIED MILL TEST REPORTS.</li> </ol>	---	---	ASTM A 6 OR ASTM A 568	1709.4
4. MATERIAL VERIFICATION OF WELD FILLER MATERIALS: <ol style="list-style-type: none"> <li>IDENTIFICATION MARKINGS TO CONFORM TO AWS SPECIFICATION IN THE APPROVED CONSTRUCTION DOCUMENTS.</li> <li>MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED.</li> </ol>	---	---	AISC 360, SECTION A3.5	---
5. INSPECTION OF WELDING: <ol style="list-style-type: none"> <li>STRUCTURAL STEEL:                             <ol style="list-style-type: none"> <li>COMPLETE AND PARTIAL PENETRATION GROOVE WELDS.</li> <li>MULTIPASS FILLET WELDS.</li> <li>SINGLE-PASS FILLET WELDS &gt; 5/16"</li> <li>SINGLE-PASS FILLET WELDS ≤ 5/16"</li> <li>FLOOR AND ROOF DECK WELDS.</li> </ol> </li> <li>REINFORCING STEEL:                             <ol style="list-style-type: none"> <li>VERIFICATION OF WELDABILITY OF REINFORCING STEEL OTHER THAN ASTM A 706.</li> <li>REINFORCING STEEL RESISTING FLEXURAL AND AXIAL FORCES IN INTERMEDIATE AND SPECIAL MOMENT FRAMES, AND BOUNDARY ELEMENTS OF SPECIAL REINFORCED CONCRETE SHEAR WALLS AND SHEAR REINFORCEMENT.</li> <li>SHEAR REINFORCEMENT.</li> <li>OTHER REINFORCING STEEL.</li> </ol> </li> </ol>	X	---	AWS D1.1	1704.3.1
6. INSPECTION OF STEEL FRAME JOINT DETAILS FOR COMPLIANCE WITH APPROVED CONSTRUCTION DOCUMENTS: <ol style="list-style-type: none"> <li>DETAILS SUCH AS BRACING AND STIFFENING.</li> <li>MEMBER LOCATIONS.</li> <li>APPLICATION OF JOINT DETAILS AT EACH CONNECTION.</li> </ol>	---	X	---	1704.3.2

TABLE 1704.4

REQUIRED VERIFICATION AND INSPECTION OF CONCRETE CONSTRUCTION

VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARD*	IBC REFERENCE
1. INSPECTION OF REINFORCING STEEL, INCLUDING PRESTRESSING TENDONS, AND PLACEMENT.	---	X	ACI 318: 2.5, 7.1-7.7	1913.4
2. INSPECTION OF REINFORCING STEEL WELDING IN ACCORDANCE WITH TABLE 1704.3, ITEM 5b.	---	---	AWS D1.4 ACI 318: 5.5.2	---
3. INSPECT BOLTS TO BE INSTALLED IN CONCRETE PRIOR TO AND DURING PLACEMENT OF CONCRETE WHERE ALLOWABLE LOADS HAVE BEEN INCREASED.	X	---	---	1911.5
4. VERIFYING USE OF REQUIRED DESIGN MIX.	---	X	ACI 318: Ch. 4, 5.2-5.4	1904.2.2, 1913.2, 1913.3
5. AT THE TIME FRESH CONCRETE IS SAMPLED TO FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	X	---	ASTM C 172 ASTM C 81 ACI 318: 5.6, 5.8	1913.10
6. INSPECTION OF CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	X	---	ACI 318: 5.9, 5.10	1913.6, 1913.7, 1912.8
7. INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	---	X	ACI 318: 5.11-5.13	1913.9
8. INSPECTION OF PRESTRESSED CONCRETE: <ol style="list-style-type: none"> <li>APPLICATION OF PRESTRESSING FORCES.</li> <li>GROUTING OF BONDED PRESTRESSING TENDONS IN THE SEISMIC-FORCE-RESISTING SYSTEM.</li> </ol>	X	X	ACI 318: 18.20 ACI 318: 18.18.4	---
9. ERECTION OF PRECAST CONCRETE MEMBERS.	---	X	ACI 318: Ch. 16	---
10. VERIFICATION OF IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POSTTENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS.	---	X	ACI 318: 6.2	---
11. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	---	X	ACI 318: 6.1.1	---

TABLE 1704.7

REQUIRED VERIFICATION AND INSPECTION OF SOILS

VERIFICATION AND INSPECTION TASK	CONTINUOUS DURING TASK LISTED	PERIODICALLY DURING TASK LISTED
1. VERIFY MATERIALS BELOW FOOTINGS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	---	X
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	---	X
3. PERFORM CLASSIFICATION AND TESTING OF CONTROLLED FILL MATERIALS.	---	X
4. VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF CONTROLLED FILL.	X	---
5. PRIOR TO PLACEMENT OF CONTROLLED FILL, OBSERVE SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	---	X

TABLE 1704.9

REQUIRED VERIFICATION AND INSPECTION OF PIER FOUNDATIONS

VERIFICATION AND INSPECTION TASK	CONTINUOUS DURING TASK LISTED	PERIODICALLY DURING TASK LISTED
1. OBSERVE DRILLING OPERATIONS AND MAINTAIN COMPLETE AND ACCURATE RECORDS FOR EACH PIER.	X	---
2. VERIFY PLACEMENT LOCATIONS AND PLUMBNESS, CONFIRM PIER DIAMETERS, BELL DIAMETERS (IF APPLICABLE), LENGTHS, EMBEDMENT INTO BEDROCK (IF APPLICABLE) AND ADEQUATE END BEARING STRATA CAPACITY.	X	---
3. FOR CONCRETE PIERS, PERFORM ADDITIONAL INSPECTIONS IN ACCORDANCE WITH SECTION 1704.4.	---	---
4. FOR MASONRY PIERS, PERFORM ADDITIONAL INSPECTIONS IN ACCORDANCE WITH SECTION 1704.5.	---	---

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PROJECT: **Precinct #4 Storage Building**  
Hidalgo County, Texas

JOB NO. 12214  
DATE: 11/02/12  
DRAWN BY: E.U.G.  
CHECKED BY: MC  
REVISION:

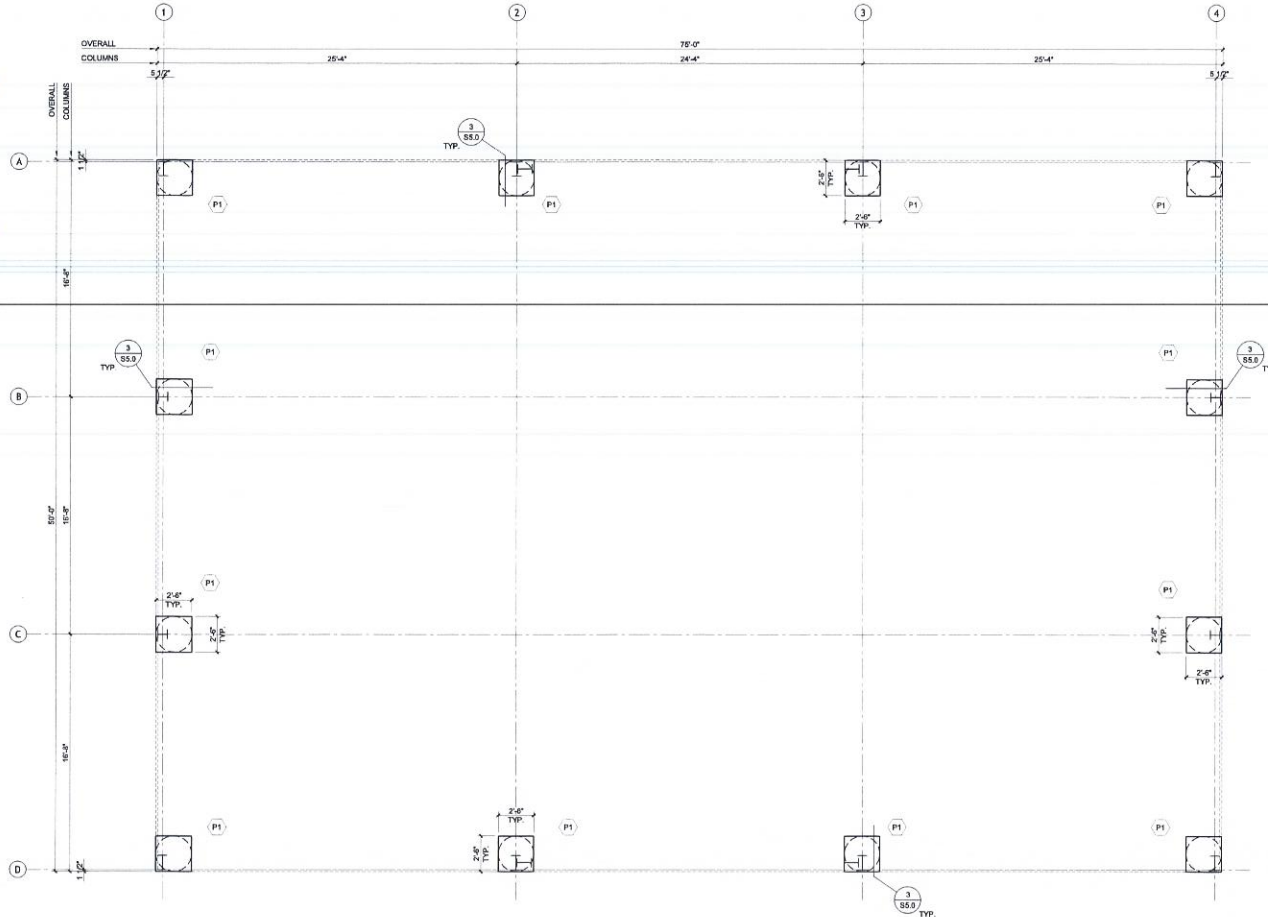
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**FOUNDATION PLAN**

SCALE: 1/4"=1'-0"

**NOTE: FOUNDATION IS BASED ON ASSUMED PRELIMINARY VALUES, ONCE GEOTECHNICAL INVESTIGATION IS PROVIDED, FOUNDATION DESIGN MAY CHANGE.**

- FOUNDATION NOTES:**
1. CONTRACTOR TO VERIFY ALL DIMENSIONS WITH ARCHITECTURAL PLANS BEFORE COMMENCING WORK.
  2. CONTRACTOR TO VERIFY LOCATION OF ANY ALL DROPS AND DRAINS IN SLAB WITH ARCHITECTURAL DRAWINGS.

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**Precinct #4 Storage Building**  
 Hidalgo County, Texas

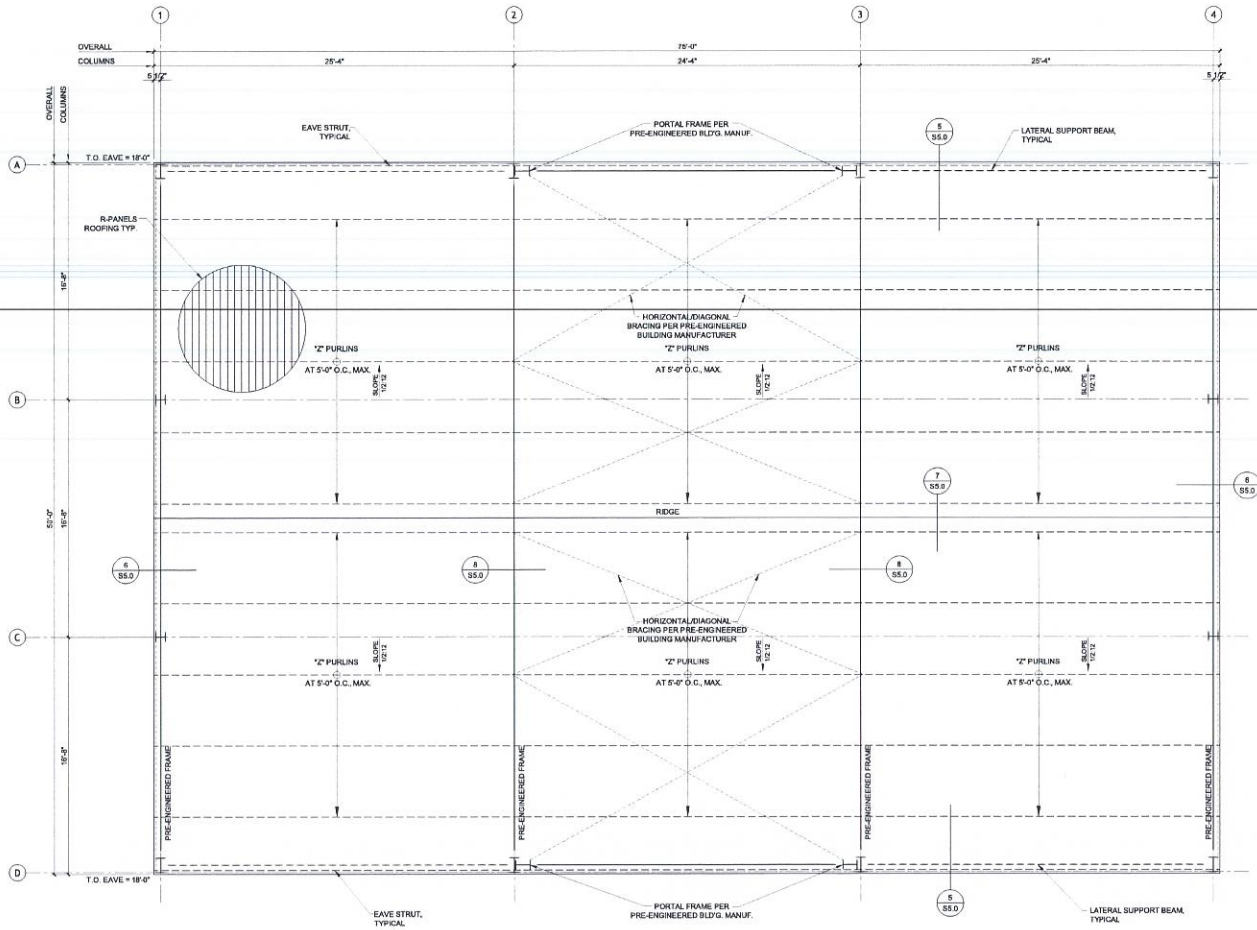
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**FRAMING PLAN**  
SCALE: 1/4"=1'-0"

- FRAMING NOTES:**
1. CONTRACTOR TO VERIFY ALL DIMENSIONS WITH ARCHITECTURAL PLANS BEFORE COMMENCING WORK.
  2. REFER TO ARCHITECTURAL DRAWINGS FOR ANY ADDITIONAL DIMENSIONS.

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**Precinct #4 Storage Building**  
Hidalgo County, Texas

PROJECT:  
JOB NO. 12214  
DATE: 11/02/12  
DRAWN BY: E.U.G.  
CHECKED BY: MC  
REVISION:

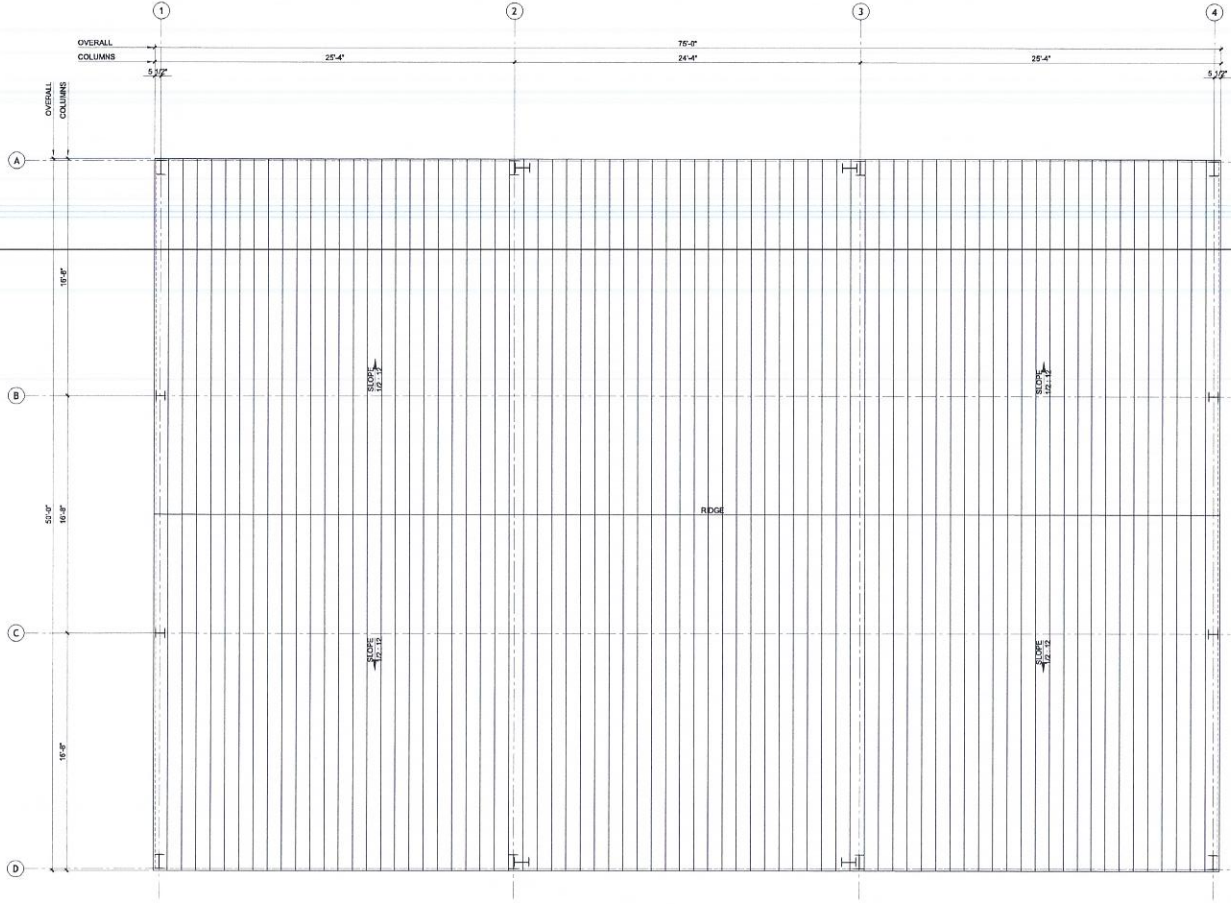
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ROOF PLAN  
SCALE: 1/4"=1'-0"

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PROJECT: **Precinct #4 Storage Building**  
Hidalgo County, Texas

JOB NO. 12214
DATE: 11/02/12
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CHECKED BY: MC
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DRAWING NO:  
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NOT USED	17	NOT USED	13	NOT USED	9	<p>PURLIN PER METAL BLD'G. MANUF. ROOF METAL DECKING PER GENERAL NOTES GABLE STRUT PER METAL BUILDING MANUFACTURER RIGID FRAME PER METAL-BUILDING MANUFACTURER</p>	5	<p>COLLUMN PER PRE-ENGINEERED BUILDING MANUFACTURER 1 1/2" NON-SHINKING GROUT BASE PLATE AND ANCHOR BOLTS PER PRE-ENGINEERED BUILDING MANUF. 24" 24" 1 1/2" 3'-0" 17'-0" 2'-6" #5 AT 12" O.C., E.W. (7 &amp; 8) S5.0</p>	3
NOT USED	18	NOT USED	14	NOT USED	10	<p>ROOF METAL DECKING PER GENERAL NOTES PURLIN PER PRE-ENGINEERED BUILDING MANUFACTURER RIGID FRAME PER PRE-ENGINEERED BUILDING MANUFACTURER</p>	6		
NOT USED	19	NOT USED	15	NOT USED	11	<p>ROOF METAL DECKING PER GENERAL NOTES PURLIN PER METAL BLD'G. MANUF. 1'-0"</p>	7		
NOT USED	20	NOT USED	16	NOT USED	12	<p>ROOF PANELS PER ARCHS. PURLIN PER PRE-ENGINEERED BUILDING MANUF. STEEL BRACE AS REQUIRED PER PRE-ENGINEERED BUILDING MANUF. RIGID FRAME PER PRE-ENGINEERED BUILDING MANUF.</p>	8		
						<p>(9) #8 CONT. #3 SPIRAL w/ 6" PITCH 2'-6" DIA. 3" 6"x6"</p>	4	<p>PROJECT: Precinct #4 Storage Building JOB NO. 12214 DATE: 11/02/12 DRAWN BY: E.U.G. CHECKED BY: MC REVISION:</p> <p>Hidalgo County, Texas</p>	<p>CHANIN ENGINEERING LLC McAllen, Texas 78504 PH: (956) 687-9421 FAX: (956) 687-2311 TELE FIRM REC. NUMBER: F-0169</p> <p>SEAL: [Professional Engineer Seal] 11-02-12</p>

CHANIN ENGINEERING LLC



Precinct #4 Storage Building

Texas

Hidalgo County,

PROJECT: Precinct #4 Storage Building  
JOB NO. 12214  
DATE: 11/02/12  
DRAWN BY: E.U.G.  
CHECKED BY: MC  
REVISION:

DRAWING NO: S5.0



# Purchase Order

## COUNTY OF HIDALGO

PO#: 666986

DATE: 11/23/11

Page No 1 Of 2

VENDOR: 388459                      REQ:00200617  
 FAX (956)971-0069              Email:  
 Phone:(956)821-8014  
 PRODIGY CONSTRUCTION MANAGEMENT, LLC  
 P.O. BOX 6592  
 MCALLEN TX 78502-6592

BUYER:  
 SHIP TO: HIDALGO CO. PCT 4  
 1051 N. DOOLITTLE  
 EDINBURG TX 78542

Vendor Acct:

CONTACT:  
 SITE: COMMISSIONER, PRECINCT 4  
 Contract No: C-11-235-10-25

Special Instructions:

PCT. REQ.# 1167

**VENDOR NOTES**

1. DO NOT ADD TO, OR ALTER THIS PURCHASE ORDER. THIS ORDER IS NOT RENEWABLE.
2. TAX EXEMPTION: THIS PURCHASE ORDER MAY BE ACCEPTED IN LIEU OF EXEMPTION CERTIFICATE.
3. THIS ORDER IS ALSO PLACED F.O.B. DESTINATION. VENDOR MUST REPAY ALL SHIPPING COSTS.
4. INVOICE EACH PURCHASE ORDER SINGLY. ORIGINAL INVOICES ARE REQUIRED CUSTOMER COPY MAY BE ACCEPTED. OUT NUMBER MUST APPEAR ON ALL INVOICES, BILLS OF LADING, AND PACKAGES.
5. PAYMENT WILL BE MADE ONLY FOR A BONA FIDE AND FULLY COMPLETED ORDERS, UNLESS OTHERWISE ATTACHED.

QUANTITY	UOM	DESCRIPTION	UNIT PRICE	AMOUNT
1	LOT	DO NOT DUPLICATE ORDER  AS PER CONTRACT C-11-235-10-25 APPROVED CC OF 10/25/11 UNDER AGENDA AI-29159  CC PROFESSIONAL CONSTRUCTION MANAGMENT SERVICES FOR THE DESIGN AND CONSTRUCTION OF NEW ADMINISTRATION OFFICES / BUILDING FOR HIDALGO PRECINCT NO. 4 (ADMINISTRATIVE OFFICE, MAINTANCE FACILITY BUILDING AND STORAGE AND WAREHOUSE BUILDING) AS APPROVED COMMISSIONERS' COURT OF 10/25/2011 UNDER AGENDA ITEM AI-29159 CONTRACT C-11-235-10-25  ARTICLE 4 COMPENSATION:  4.2 (a) The Basic Services Compensation shall be three and a half percent (3.5%) of the lesser of (1) Owner's final budget for the Project and (1) One Million Five Hundred Dollars (\$1,500.00). Accordingly, the Basic Services Compensation will not exceed Fifty Two Thousand Five Hundred Dollars (\$52,000.00) regardless of the final budget.  REPORT ROAD HAZARDS 1-866-HCR-SAFE OR 1-866-427-7233	52,500.00	52,500.00
Total				52,500.00
*****				
For Hidalgo County use only				
1-1342-431-00-124-075-0-720				52,500.00



# Purchase Order

## COUNTY OF HIDALGO

PO#: 666986

DATE: 11/23/11

Page No 2 Of 2

VENDOR: 388459                      REQ:00200617  
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5. PAYMENT WILL BE MADE ONLY FOR A BONA FIDE AND FULLY COMPLETED ORDERS, UNLESS OTHERWISE ATTACHED.

QUANTITY	UOM	DESCRIPTION	UNIT PRICE	AMOUNT
		Approved -----		
(1)		2-1342-431-00-124-078-0-720	\$22,866.34	
(1)		2-1342-431-00-124-078-0-739	\$ 466.66	
(1)		2-1342-431-00-124-078-0-720	\$ 25,725.00	
(1)		2-1342-431-00-124-078-0-739	\$ 525.00	
(1)		2-1342-431-00-124-079-0-720	\$ 2,917.00	